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*Ye. V. Shatalova*



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30 refs.  
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DESCRIPTORS: \*Metalorganic compounds, \*Potassium  
compounds, Amides, \*Alkyl radicals, \*Benzenes,  
\*Deuterated compounds, Exchange reactions, \*Metal-  
tion, Reaction kinetics

The rate of deutero exchange between a solution of  
potassamide (0.02N) in liquid deuterioammonia and the  
aromatic rings and alkyl groups of the following alkyl  
benzenes:  $\text{C}_6\text{H}_5\text{CH}_3$ ,  $\text{iso-C}_6\text{H}_5\text{C}_3\text{H}_7$ ,  $\text{tert-C}_6\text{H}_5\text{C}_4\text{H}_9$ ,  
and  $n\text{-C}_6\text{H}_5\text{C}_4\text{H}_9$  has been measured at 25, 10, and 0°C.  
It has been found that deutero exchange and the metals-  
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III. Translations, New York

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DESCRIPTORS: \*Isotopes, \*Deuterium, Organic com-  
pounds, \*Organic solvents, Hydrocarbons, \*Ammonia,  
\*Halides, \*Hydrogen, \*Exchange reactions, Catalysis,  
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62-22044

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 LIQUIDE [Vodorodnyi Obmen Fenola i ego Efirov s  
 Rasvorenimi Amida Kaliya v Zhidkom Deiteroammiake]  
 (Hydrogen Exchange Between Phenol and its Ethers and  
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For abstract see Technical Translations 4: 385, 1960.

DESCRIPTORS: \*Exchange reactions, Deuterated  
 compounds, \*Phenols, Ethers, Potassium compounds.  
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ESTERS ET LES AMINES AROMATIQUES AVEC DU  
D<sub>2</sub>O LIQUIDE [Vodorodnyi Obmen Fenola, yego Estrov i  
Aromaticeskikh Aminov s Zhidkim D<sub>2</sub>O] (Exchange of  
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compounds, \*Phenols, Amines, Esters.

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JPRS 5430

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